10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Nitrotryptophan Antibody

Nitrotryptophan Antibody, Clone 2D12

Catalog # ASM10346

Specification

Nitrotryptophan Antibody - Product Information

Application	WB
Host	Mouse
Isotype	IgG1
Clonality	Monoclonal

Description
Mouse Anti-6-Nitrotryptophan (NW) Monoclonal IgG1

Target/Specificity
Specific for 6-Nitrotyrptophan modified proteins. Doss not cross-react with 7-Ketocholoesterol modified proteins.

Other Names
6-Nitrotryptophan Antibody, Nitrotryptophan (NW) Antibody, Nitrotryptophan Antibody, NW Antibody, 6-NO2-Trp Antibody

Trademark	MOLECULAR SIGNATURE®

Immunogen
Synthetic 6-Nitrotryptophan modified Keyhole Limpet Hemocyanin (KLH).

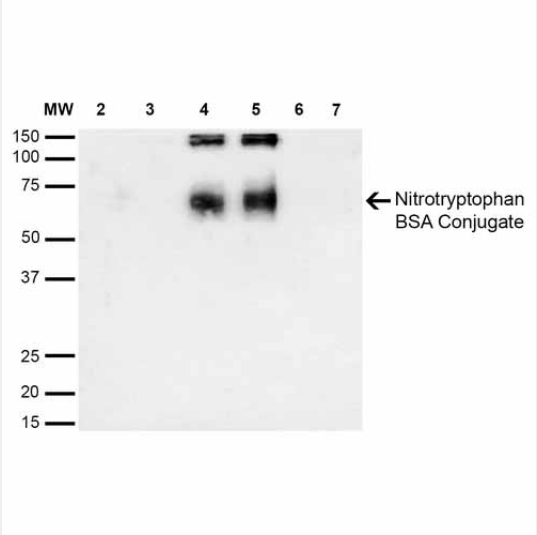
Purification
Protein G Purified

Storage	-20ºC

Storage Buffer
PBS pH 7.4, 50% glycerol, 0.9% Sodium Azide

Shipping Temperature	Blue Ice or 4ºC

Certificate of Analysis
A 1:1000 dilution of SMC-518 was sufficient for detection of 6-Nitrotryptophan in 1 µg of 6-Nitrotyrptophan conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.



Western Blot analysis of 6-Nitrotryptophan-BSA Conjugate showing detection of 67 kDa 6-Nitrotryptophan-BSA using Mouse Anti-6-Nitrotryptophan Monoclonal Antibody, Clone 2D12 (ASM10346). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA (0.5 µg). Lane 3: BSA (1 µg). Lane 4: 6-Nitrotryptophan-BSA (0.5 µg). Lane 5: 6-Nitrotryptophan-BSA (1 µg). Lane 6: 7-Ketocholesterol-BSA (0.5 µg). Lane 7: 7-Ketocholesterol-BSA (1 µg). Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-6-Nitrotryptophan Monoclonal Antibody (ASM10346) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: Luminol for 1 min. Predicted/Observed Size: 67 kDa.

Nitrotryptophan Antibody - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture